

ABSTRACT OF THE DISCLOSURE

A six speed gear assembly for a motorcycle transmission is provided that includes a mainshaft gear shaft with a plurality of mainshaft gears mounted in sequence thereon, wherein the sequence includes a mainshaft 4th gear, a mainshaft 3rd gear, one of a mainshaft 1st gear and a mainshaft 2nd gear, the other of the mainshaft 1st gear and the mainshaft 2nd gear, a mainshaft 6th gear, and a mainshaft 5th gear. The six speed gear assembly also includes a countershaft gear shaft with a plurality of countershaft gears mounted in sequence thereon, wherein the sequence includes a countershaft 4th gear, a countershaft 3rd gear, one of a countershaft 1st countershaft 1st gear and a countershaft 2nd gear, the other of the countershaft 1st gear and the countershaft 2nd gear, a countershaft 6th gear, and a countershaft 5th gear.

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